
Network Call Party Name Display/Network Name Delivery

Network Call Party Name Display (NCPND) provides a network-wide visual display of names and telephone numbers to both parties of a call. For telephones equipped with an alphanumeric display, NCPND provides the display of the calling party's name on the terminating telephone and the called party's name on the calling telephone. The name and number display lasts for the duration of the call. See Figure 75.

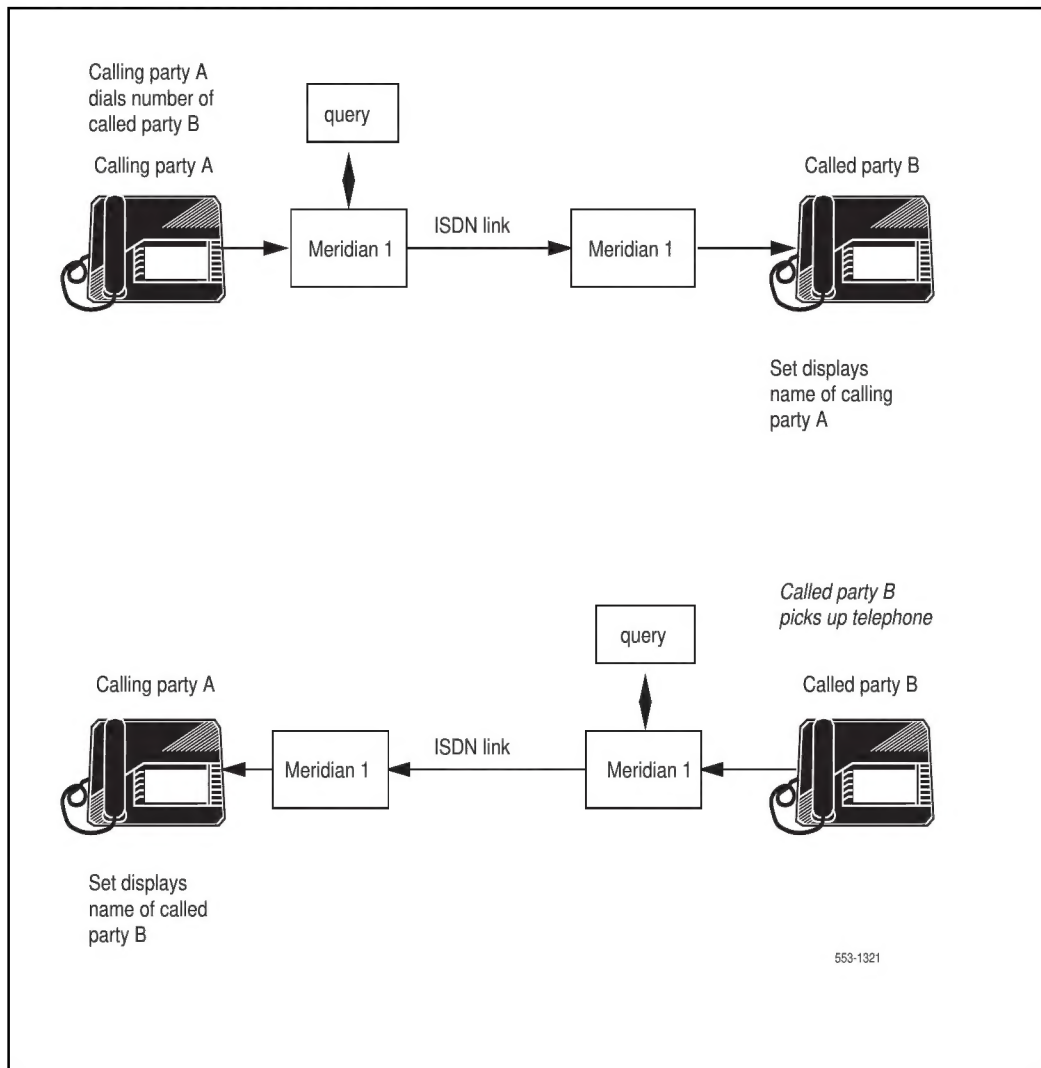
The sending of names over the private network is an option set up on a per route basis. The name is provided by Call Party Name Display (CPND) configured in each switch. For call redirections, a set option provides a display of the redirecting name instead of the calling name.

The following telephones and attendant consoles are supported:

- M2317 digital telephones
- M3000 Touchphone
- all Meridian Modular Telephones with digit display
- M1250 and M2250 attendant consoles

Network Name Delivery (NND) is the method used to send the names and numbers across the network. There are two NND methods available: ND1 and ND2.

Figure 75
Network Call Party Name Display



Operating parameters

Network Name Delivery method 1

Network Name Delivery method 1 (ND1) is available in X11 release 14 and later. The following list describes ND1 operating parameters.

- Meridian 1 to Meridian 1 connections only are supported.
- For X11 release 14, ND1 supports name display for redirected calls by Call Forward All Calls.
- With X11 release 16, ND1 supports the name display for call redirection by Call Forward No Answer, Hunt, and Call Pickup if the redirection is done across the network. See “Network Call Redirection” on page 561 for configuration.
- If the called party is at a remote switch, the called party name is displayed on the caller’s display only after the call is answered unless there was a redirection. (See the “Network Call Redirection” on page 561 for a discussion of call redirection with X11 release 16 and later hardware.)
- A CPND enhancement allows the display of the redirecting name on the terminating telephone instead of the calling name by a service change option only if the first redirecting party is on the terminating switch.
- Prior to X11 release 16, ND1 supports the name display for call transfer only for a local transfer over PRI. In that case, the name is displayed on the terminating telephone.
- The maximum number of characters in a displayed name is 24.

Network Name Delivery method 2

Network Name Delivery method 2 (ND2) is available in X11 release 17 and later. ND2 provides network-wide name display in compliance with the Meridian Customer Defined Networking (MCDN) protocol. It allows interworking among Meridian 1s and a DMS-100/250 central office.

The following list describes the ND2 operating parameters:

- All DMS-100s must be equipped with BCS32 or later software and all Meridian 1s with a direct connection to the DMS-100 must be equipped with X11 release 17 or later.
- For Meridian 1 to Meridian 1, the maximum number of characters in a displayed name is 24. When connecting to a central office, 15 characters only are supported. Names exceeding this length are truncated.
- ND2 supports name delivery for Call Pickup, Call Transfer, Hunt, and Call Forward All Calls/No Answer/Busy.
- A CPND enhancement allows the display of the redirecting name on the terminating telephone instead of the calling name by a service change option only if the first redirecting party is on the terminating switch.
- In all cases when the name is available, the called party name is displayed on the caller's display during the ringing phase. This is an enhancement over ND1, which displays names on connect.
- ND2 enhancements are not supported on connections to Meridian 1 using ND1. ND1 is applicable for X11 release 14 through 16. ND2 is recommended for X11 release 17 and up. The far ends must match.

Feature interactions

Refer to Call Party Name Display in *X11 features and services* (553-3001-305) for CPND feature interactions.

Feature packaging

NCPND requires these packages.

95	Call Party Name Display	CPND
145	ISDN Signaling	ISDN
146	ISDN Primary Rate Interface Dependencies: 75, 145, 19 [CLID]	PRI

Feature implementation

LD 95—Configure the Call Party Name Display feature

Refer to “Call Party Name Display” in *X11 features and services* (553-3001-305) to implement CPND.

LD 16—Enable NCPND for each required trunk route

NCNA	Yes, (No)	Allow or deny Network Call Party Name Display. To prevent hit-and-miss name display or the dropping of calls in networks whose nodes have BCSS31 or earlier or X11 release 16 or earlier, enter No. For example, where an X11 release 17 Meridian 1 node has an adjacent DMS node with BCS31 or earlier, enter No.
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LD 17—Indicate the remote capability (which Network Name Delivery protocol is supported by the remote node/switch on this DCH interface)

RCAP	ND1/ND2	Network Name Delivery method 1 (ND1) Network Name Delivery method 2 (ND2) (X11 release 17 and later with BCS 32 and later)
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